


California Department of Transportation



I-880 Corridor System Management Plan

Project Update

August 17, 2006



System Metrics Group, Inc.





Agenda

- > Project Overview
- > Corridor wide performance
- > Corridor bottlenecks
- > Next steps

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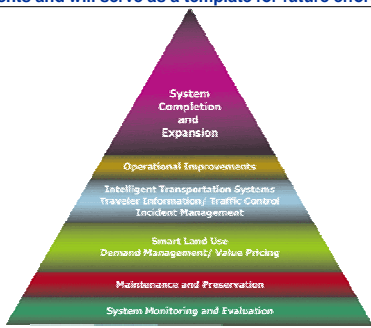
Project Overview

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This study focuses on system management and all its components and will serve as a template for future efforts

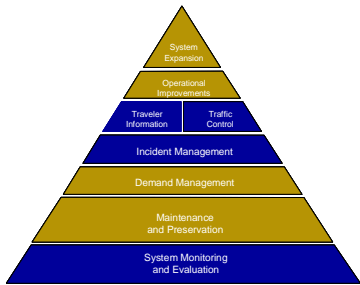


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Note that the previous “pyramid” looks similar to the one included in the 2004 RTP



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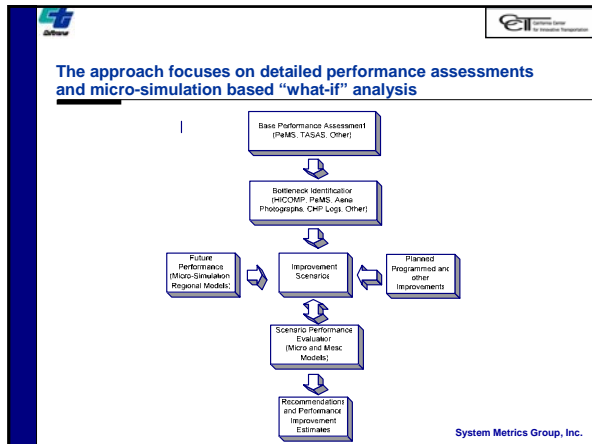
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The corridor has good detection and stretched from SR-237 to 7th Street (around 35 miles)



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Why Micro Simulation (despite its challenges)?

- Analysis of traffic flows
- Reasonable representation of queues and resulting traffic congestion
- Focus on bottlenecks
- Ability to analyze operational projects
- Integration of planning and operations
- Perhaps most importantly: Quantification of benefits due to operational strategies

Micro-simulation-based presentations/visuals are also more effective in discussions with stakeholders

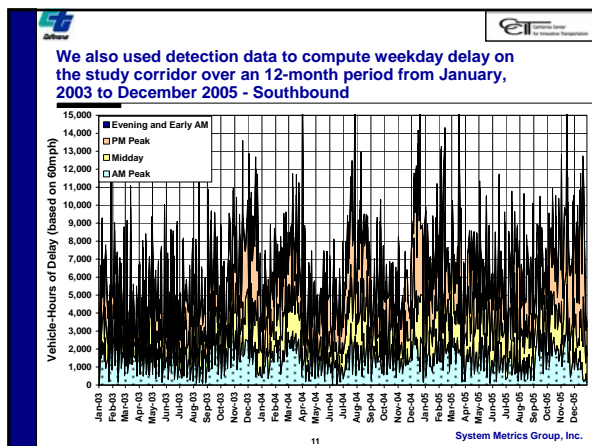
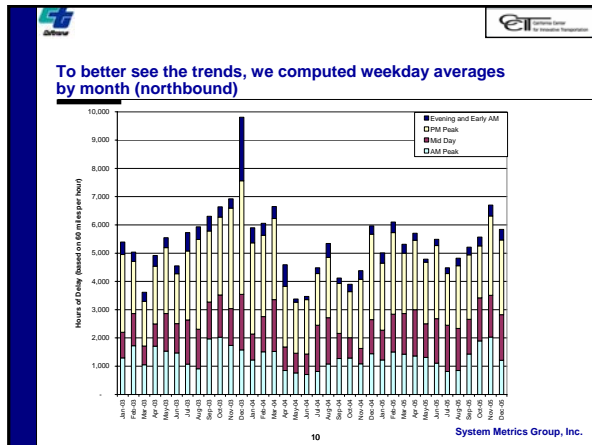
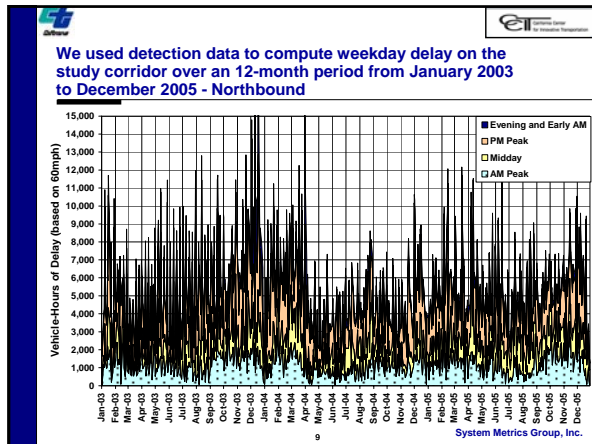
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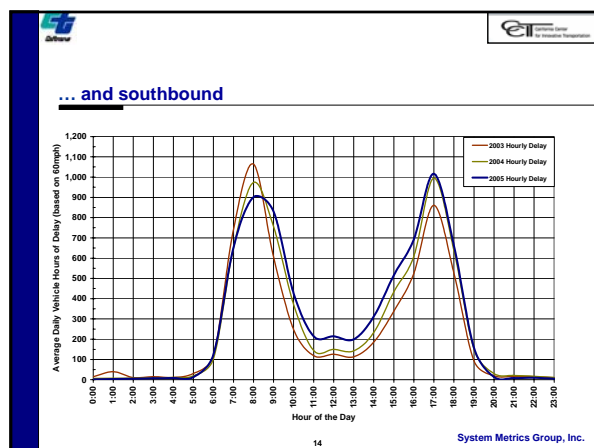
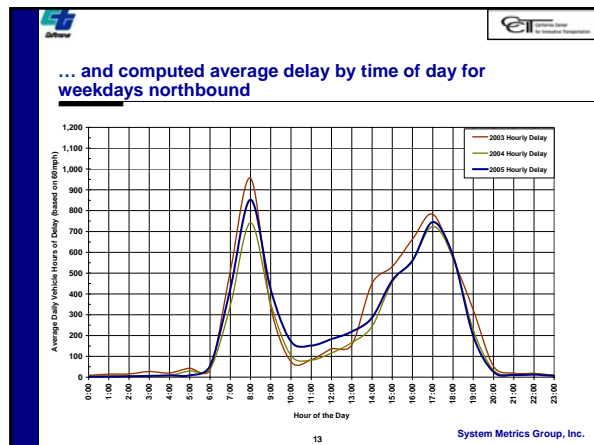
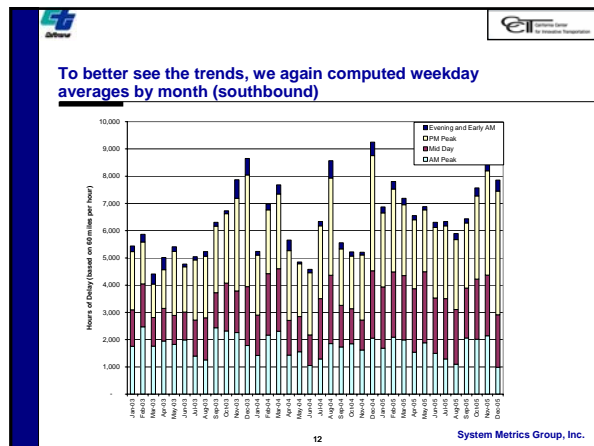
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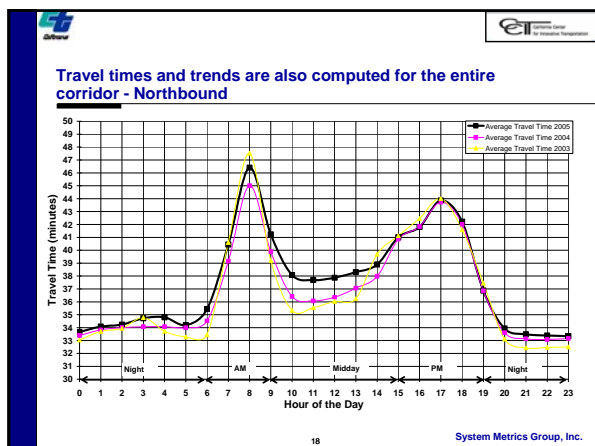
Corridor Wide Performance Assessment

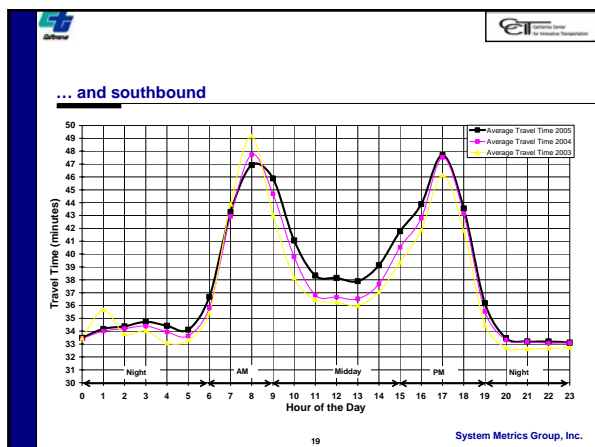
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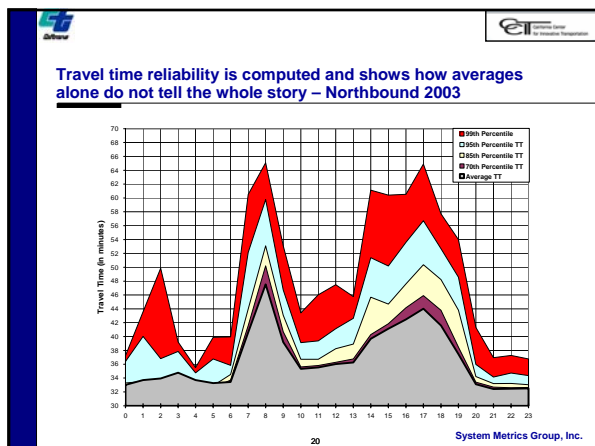
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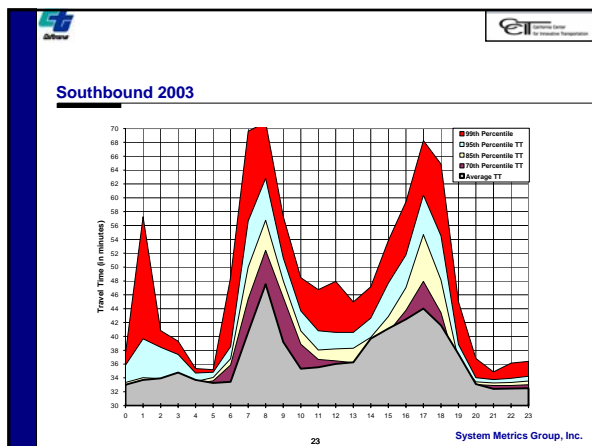
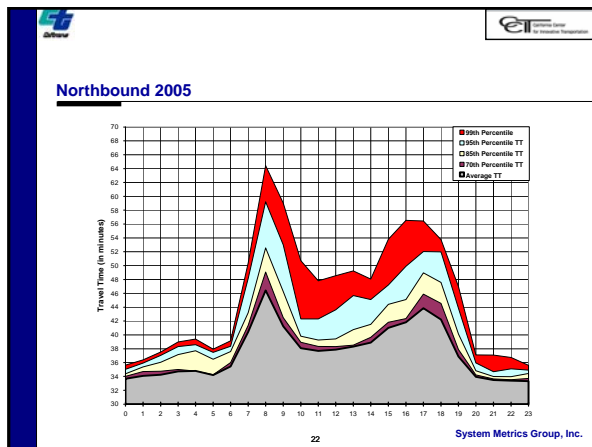
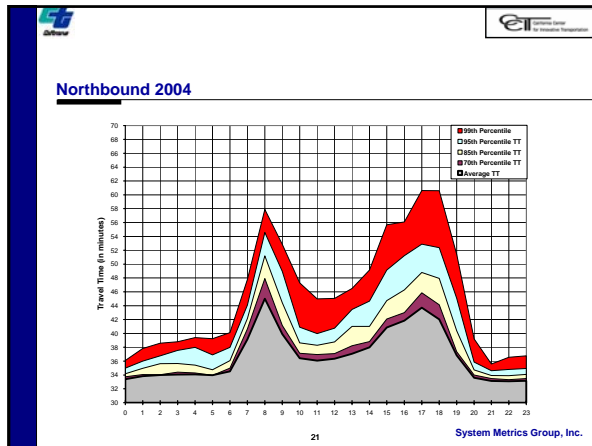


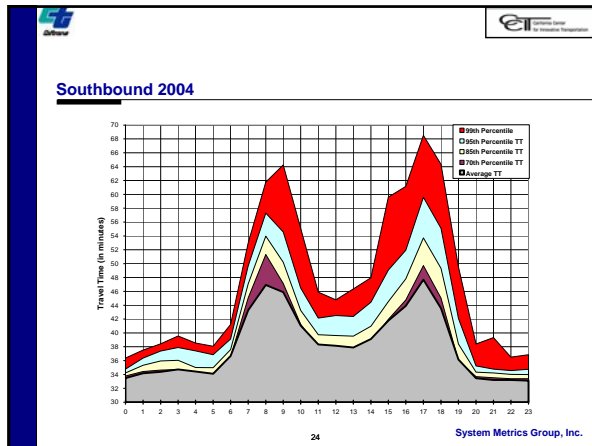


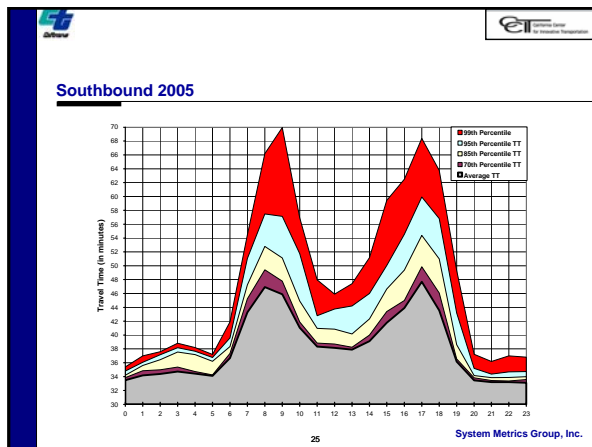


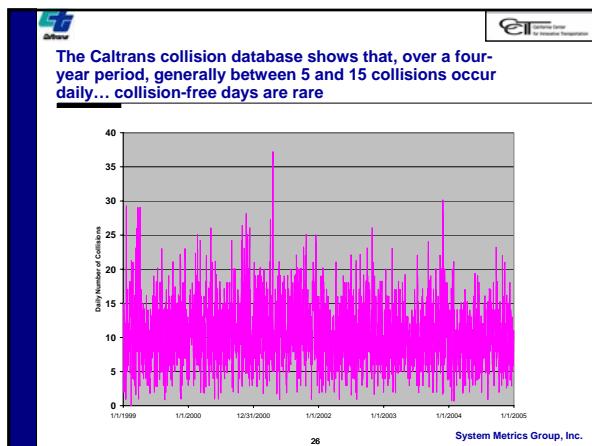


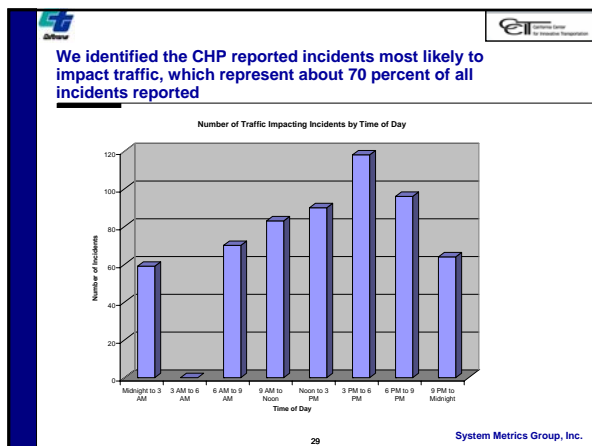
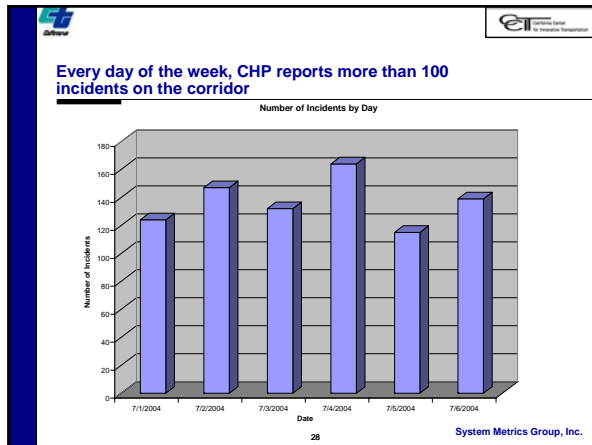
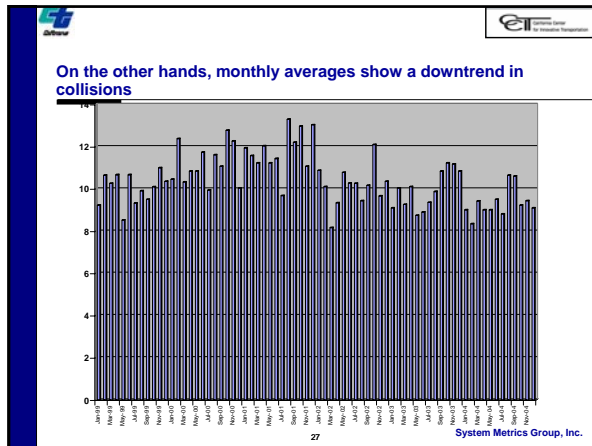


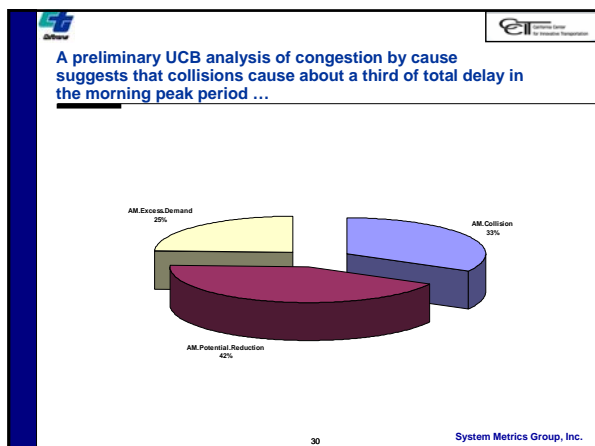


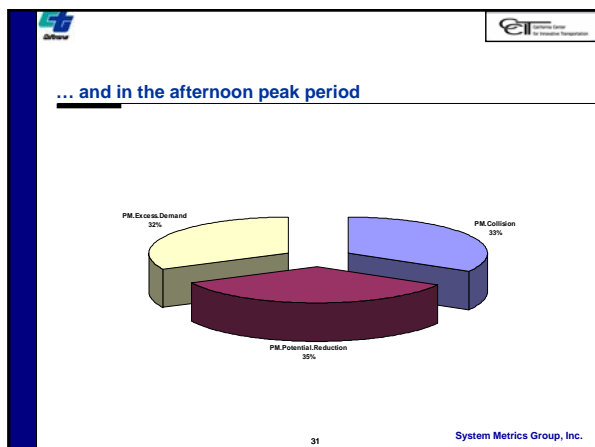


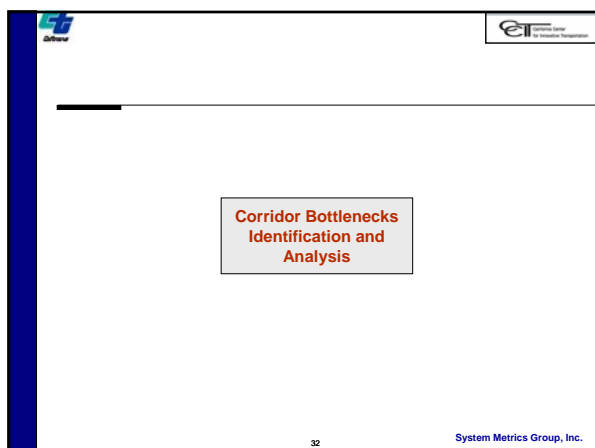


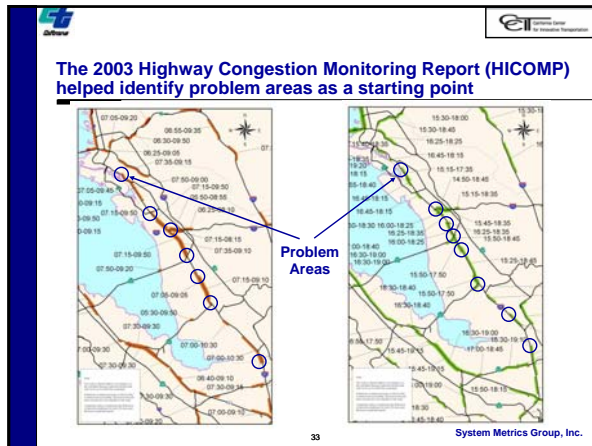


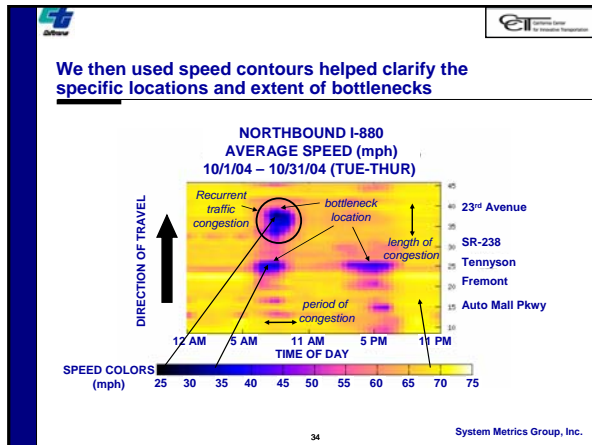


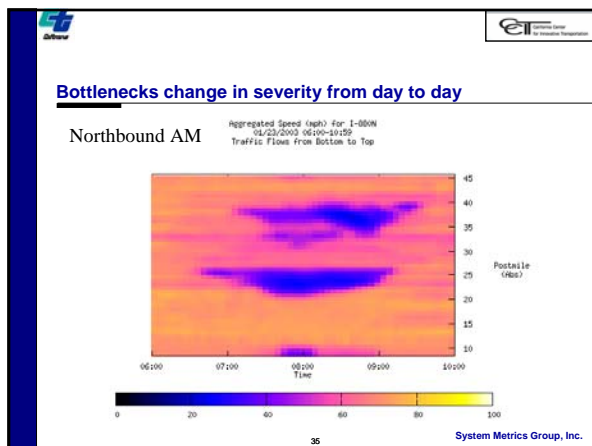


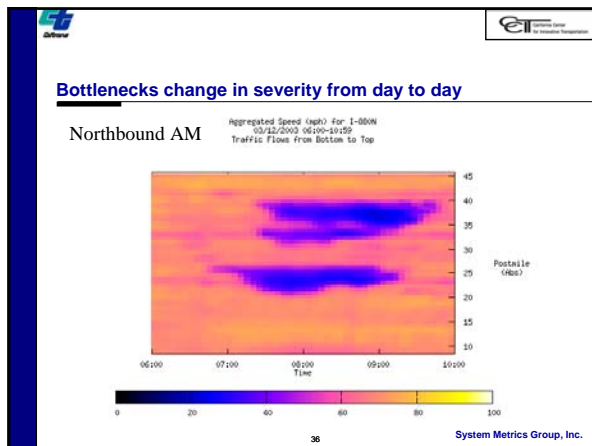


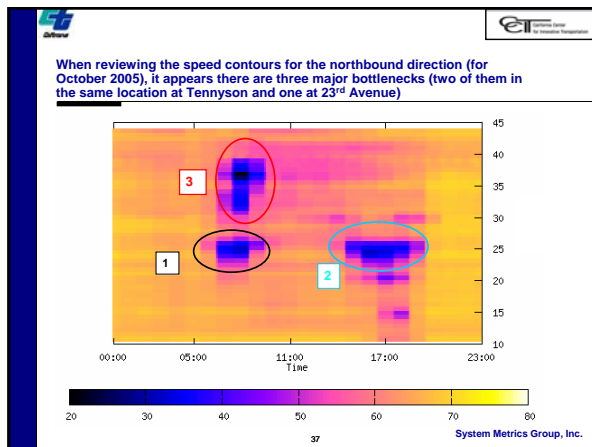


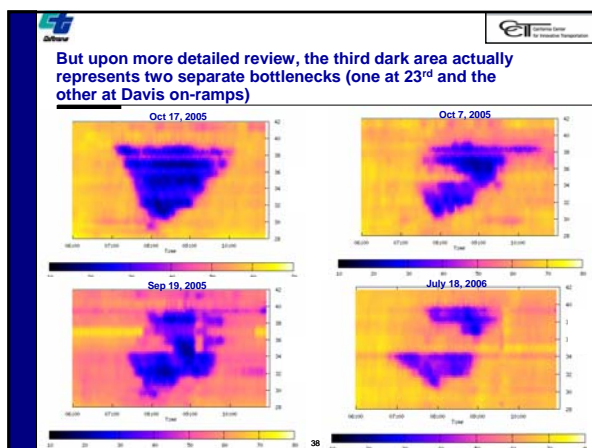


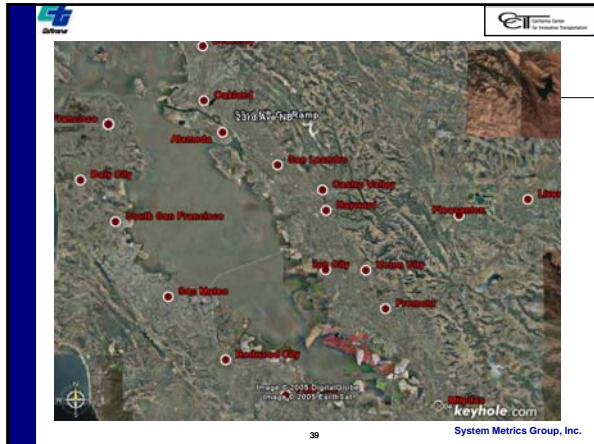


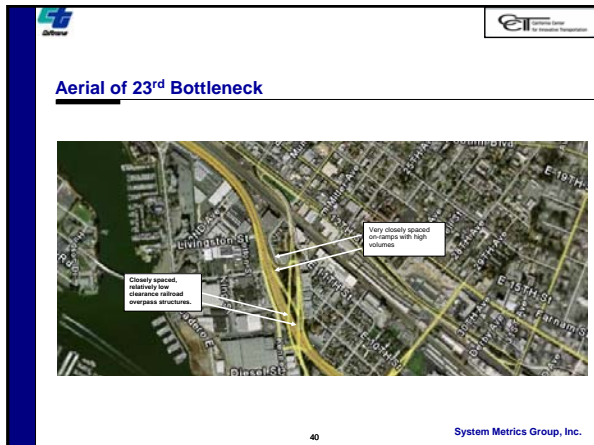


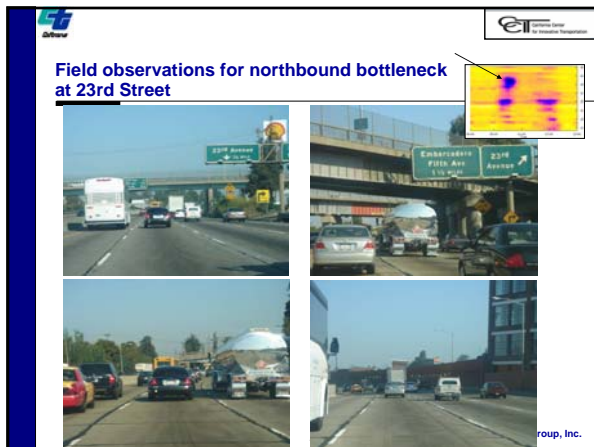


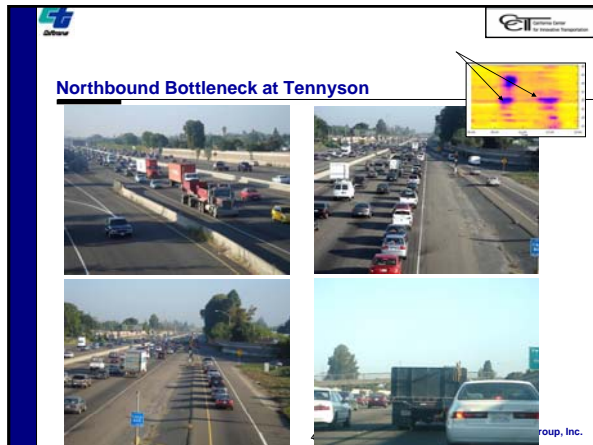
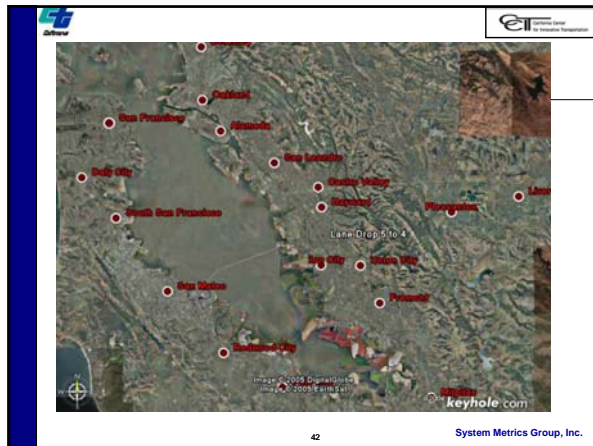


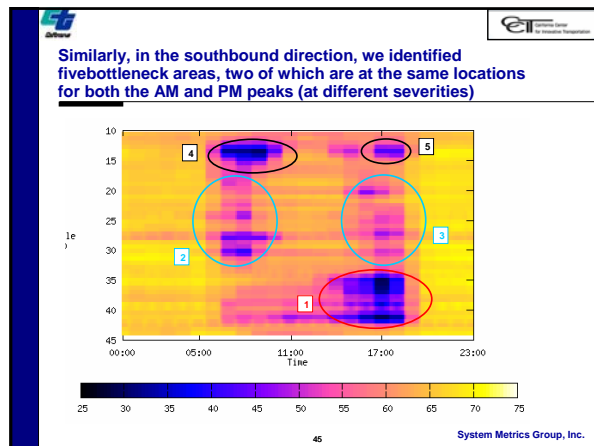












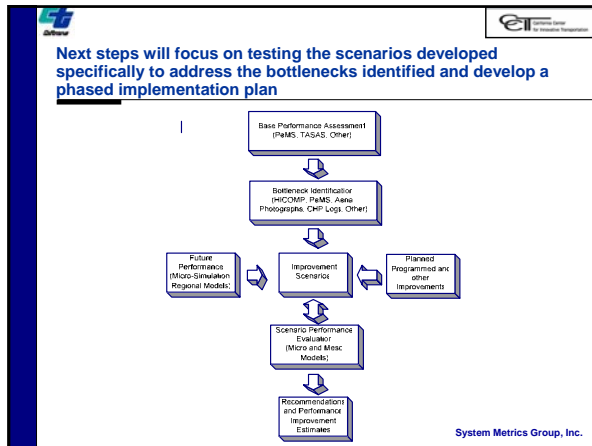
We then looked at the comprehensive list of projects proposed for the corridor and related each to the bottlenecks ...

Proj. #	Proj. Begin	Proj. End	Project Source	Project Description	Est Total Cost	Cost Direct	Near or Lane Term
02	4.48	4.48	T-2020 Controlled	Combination Express plus right-left 30 spaces in Decatur Road near I-805 for the Combination Street Interchanges (right-of-way acquisition)	\$15.1	1	N
208	14.47	16.70	T-2020 Controlled	Widen I-205 between I-805 and I-805 from 4 to 6 lanes, Decatur Road near I-805 to I-205	\$10.9	1	L
202	10.00	10.70	T-2020 Controlled	Widen SR 562 Interchange from Spring Blvd. (including widening SR 262-480 and SR 262-Rate Rd. Interchanges and reconstruct SR262 interchange)	\$38.3	1	L
202	80.0	80.0	Reconstruct	Reconstruct I-805/Road 262 Interchange and widen I-805 from SR-262 Interchange to the Service Circle Interchange from 8 to 10 lanes (8 mixed flow & 2 HOV lanes)	\$122.0	2	L
002	80.0	81.0	T-2020 Big Twp	SR60 Interchange, ramp, parking and travel shoulders	\$10.0	0	N
800	10.0	34.00	10 YR SHOPP	Install TRIS Elements (Monitoring Stations, CCTV, CMS, VMS)	\$6.2	0	N
800	2.28	2.28	T-2020 Controlled/PM	Reconstruct I-805/Road 262 Interchange including USPRR grade separation (phase 2)	\$92.0	1	L
801	3.25	3.25	T-2020 Controlled	Extend Fremont Boulevard to connect to I-805/Don Landis Road	\$4.0	1	L
002	8.24	8.24	T-2020 Controlled	Stevenson Blvd. I-805 Bypass Road ramp impacts (Off-Ramp Stevenson Pk SR1 to Bypass, A to B, etc.)	\$13.0	1	L
003	8.34	8.34	T-2020 Big Twp	I-805 SR1 to SR 54 HOV 3+rd connector	TRD	1	L
008	15.6	17.0	T-2020 Controlled/PM	I-805/GR 42 UC Improvements	\$13.8	0	L
008	15.6	20.0	T-2020 Vision	Interchange between Whipple and Jackson	TRD	0	L
009	19.3	24.4	T-2020 T-2020/PM	Widen I-805 for HOV lanes from Healdsburg to SR65, SR1 and SR2 from SR65, SR1 to Marina Blvd.	TRD	0	L
006	20.0	20.0	2004 10 Yr L-to-LYQ	SR60/Washington Ave Interchange SR1 off-ramp & travel lanes	\$60.0	1	N

1 = Indirect, D=Direct, N=Near Term, L=Long Term

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Questions?

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